Standards of Public Land Health
Evaluation of 64044 5 MILE Allotment
[03/19/2010]

The Roswell Field Office conducted rangeland health assessments at 6 study sites within 64044 5 MILE. The assessments looked at the Soil/Site Stability, Hydrologic Function and Biotic Integrity indicators within the vicinity of each study site. Existing monitoring data was incorporated into and in support of the field assessment. The summary of each assessment is attached and shown in the following table.

Study Area or Assessment Area	UPLAND			BIOTIC			RIPARIAN		
	Meets	Monitor an Indicator	Does Not Meet	Meets	Monitor an Indicator	Does Not Meet	Meets	Monitor an Indicator	Does Not Meet
64044-ASKEW-F183	X			X			N/A		
64044-BEDFORD-F184 (*)	X			X	*		N/A		
64044-E 5 MILE #1-F186 (*)	X			X	*		N/A		
64044-E 5 MILE #2-F187	X			X			N/A		
64044-STRIEKLIN-F185 (*)	X			X	*		N/A		
64044-WEST 5 MILE-F182	X			X	*		N/A		

The (*) indicates that the assessment had one or more indicator(s) rated moderate/extreme or extreme. These indicators are:

- Litter Amount
- Invasive Plants

These indicators by themselves are not enough to rate the site as not meeting a standard but may warrant future monitoring.

Twenty-two (22) indicators for Rangeland Health were evaluated for public land on 5 Mile Ranch, allotment #64044. Ten of these assessed soil site stability, 11 hydrologic function and 13 biotic integrity. These qualitative assessments in conjunction with quantitative information gathered from previous data collected on 6 trend plot locations within this allotment were utilized to make rangeland health determinations. Quantitative evaluations are performed by the Roswell Field Office, which include some or all of the following: ground and vegetative cover and composition, production, frequency and ecological condition. These collections which were initiated in the late 1970's/early 1980's, are scheduled and conducted approximately every 5 years.

This allotment contains 6,061 acres of public land. The studies are all located on two Loamy CP-2 sites, three Sandy SD-3 ecological sites and a Loamy SD-3 ecological site. The majority of the indicators were rated as "None to Slight" or "Slight to Moderate" degree of departure from the ecological site description. There are no riparian areas on the public land in this allotment. At each of the study locations, the indicator for Invasive Plants was rated as either "Moderate" or "Moderate to Extreme" due to the amount or encroaching mesquite.

Recommendations: With the majority of the indicators falling in the "None to Slight" or "Slight to Moderate category, this allotment is rated as "Meeting" the standard for Rangeland Health. . Continue the rangeland monitoring studies to insure proper stocking rates are maintained and that the perennial grass cover and good plant composition remains. The team strongly recommends that the entire allotment be mapped for mesquite and if feasible to implement a land treatment. Due to the intermingled land status, the team also recommends that coordination be done with other entities, such as the Natural Resource Conservation Service and the Soil and Water Conservation District, and the New Mexico State Land Office to complete the treatment across private, state leased lands and public lands.

RFOs Upland and Biotic Standard Assessment Summary Worksheet			
SITE 64044-ASKEW-F183			
Legal Land Desc	SWNW 17 0060S 0240E Meridian 23	Acreage	803
Ecosite	070BY052NM LOAMY CP-2	Photo Taken	Y
Watershed	13060003200 FIVE MILE		
Observers	MCGEE & TRAUTNER	Observation Date	03/19/2010
County Soil Survey	NM644 CHAVES NORTH	Soil Var/Taxad	
Soil Map Unit	RNA	Soil Taxon Name	REEVES
Texture Class	NM644 L	Soil Phase	REEVES-MILNER-HOLLOMEX
Texture Modifier	NM644 LOAM,MOIST		
Observed Avg Annual Precipitation		Observed Avg Growing Season Precipitation	
NOAA Annual Precipitation		NOAA Growing Season Precipitation	
NOAA Avg Annual Precipitation		NOAA Avg Growing Season Precipitation	
Disturbances and Animal Use:			

Part 2. Attributes and Indicators

		Departure from Ecological Site Description/Ecological Reference Areas				
Attribute	Indicators	Extreme	Moderate to Extreme	Moderate	Slight to Moderate	None to Slight
S H	Rills					X
Comments:						
S H	Water Flow Patterns					X
Comments:						
S H	Pedestals and/or Terracettes					X
Comments:						

S H	Bare Ground					X
Comments:	Ecological site description =40%, actual = 30%					
S H	Gullies					X
Comments:						
S	Wind-scoured, Blowouts, and/or Deposition Areas					X
Comments:						
H	Litter Movement				X	
Comments:	Litter concentrated around obstructions					
S H B	Soil Surface Resistance to Erosion					X
Comments:						
S H B	Soil Surface Loss or Degradation					X
Comments:						
H	Plant Community Composition and Distribution Relative to Infiltration and Runoff				X	
Comments:	Donimated by tobosa and blue grams					
S H B	Compaction Layer					X
Comments:						
B	Functional/Structural Groups				X	
Comments:	could use better diversity of grass and shrub species.					
B	Plant Mortality/Decadence					X
Comments:						
H B	Litter Amount				X	
Comments:						
B	Annual Production				X	
Comments:						
B	Invasive Plants			X		
Comments:	Yucca and mesquite					
B	Reproductive Capability of Perennial Plants					X
Comments:						
S	Physical/Chemical/Biological Crusts					X
Comments:	Physical crusts present					

B	Wildlife Habitat				X	
Comments:						
B	Wildlife Populations					X
Comments:						
B	Special Status Species Habitat					
Comments:	Not applicable					
B	Special Status Species Populations					
Comments:	Not applicable					

Part 3. Summary

A. Indicator Summary - Each of the indicators are associated with one or more of the attributes below. An indicator is placed in a category (columns) above and summed for each of the Standard Attributes.

Standard Attribute		Extreme	Moderate to Extreme	Moderate	Slight to Moderate	None to Slight
S	Soil	0	0	0	0	10
H	Hydrologic	0	0	0	3	8
B	Biotic	0	0	1	4	6

B. Attribute Summary. In this table, the Extreme and Extreme to Moderate columns in the table above are merged for the *Does not Meet* column, Moderate becomes *May Need More Info*, and Slight to Moderate and None to Slight merge to form the *Meets* columns. Values from the table are summarized below. Space is provided for rationale of the determination. This space should most certainly be used when the determination by the ID team conflicts with the summarized values. Provide the sources of information that lead to the determination. X out the appropriate box for each attribute to denote final agreed upon determination by the ID team.

Attribute	Rationale	Does Not Meet	May Need More Info	Meets
Soil		0	0	10
Hydrologic		0	0	11
Biotic		0	1	10

Site Notes: Blue grama, and tobosa are dominant grass species; yucca and mesquite are noted as invasive.

RFOs Upland and Biotic Standard Assessment Summary Worksheet			
SITE 64044-BEDFORD-F184			
Legal Land Desc	SESE 15 0060S 0240E Meridian 23	Acreage	231
Ecosite	042CY004NM SANDY SD-3	Photo Taken	Y
Watershed	13060003200 FIVE MILE		
Observers	MCGEE & TRAUTNER	Observation Date	03/19/2010
County Soil Survey	NM644 CHAVES NORTH	Soil Var/Taxad	
Soil Map Unit	ARA	Soil Taxon Name	ALAMA
Texture Class	NM644 FSL	Soil Phase	ALAMA-REEVES
Texture Modifier	NM644 MOIST		
Observed Avg Annual Precipitation		Observed Avg Growing Season Precipitation	
NOAA Annual Precipitation		NOAA Growing Season Precipitation	
NOAA Avg Annual Precipitation		NOAA Avg Growing Season Precipitation	
Disturbances and Animal Use:			

Part 2. Attributes and Indicators

		Departure from Ecological Site Description/Ecological Reference Areas				
Attribute	Indicators	Extreme	Moderate to Extreme	Moderate	Slight to Moderate	None to Slight
S H	Rills					X
Comments:						
S H	Water Flow Patterns					X
Comments:						
S H	Pedestals and/or Terracettes					X

Comments:						
S H	Bare Ground				X	
Comments:	Ecological site descrition = 15-20%, locally = 20%					
S H	Gullies					X
Comments:						
S	Wind-scoured, Blowouts, and/or Deposition Areas					X
Comments:						
H	Litter Movement				X	
Comments:	Litter noted around obstructions					
S H B	Soil Surface Resistance to Erosion					X
Comments:	Physical crusts good in interspaces, organic good under canopy					
S H B	Soil Surface Loss or Degradation					X
Comments:						
H	Plant Community Composition and Distribution Relative to Infiltration and Runoff					X
Comments:						
S H B	Compaction Layer					X
Comments:						
B	Functional/Structural Groups				X	
Comments:	Lacking dropseeds, mesquite noted as increasing					
B	Plant Mortality/Decadence					X
Comments:						
H B	Litter Amount			X		
Comments:						
B	Annual Production					X
Comments:						
B	Invasive Plants		X			
Comments:	Mesquite dominated site.					
B	Reproductive Capability of Perennial Plants					X
Comments:						
S	Physical/Chemical/Biological Crusts					X

Comments:						
B	Wildlife Habitat				X	
Comments:						
B	Wildlife Populations					X
Comments:						
B	Special Status Species Habitat					
Comments:	Not applicable					
B	Special Status Species Populations					
Comments:	Not applicable					

Part 3. Summary

A. Indicator Summary - Each of the indicators are associated with one or more of the attributes below. An indicator is placed in a category (columns) above and summed for each of the Standard Attributes.

Standard Attribute		Extreme	Moderate to Extreme	Moderate	Slight to Moderate	None to Slight
S	Soil	0	0	0	1	9
H	Hydrologic	0	0	1	2	8
B	Biotic	0	1	1	2	7

B. Attribute Summary. In this table, the Extreme and Extreme to Moderate columns in the table above are merged for the *Does not Meet* column, Moderate becomes *May Need More Info*, and Slight to Moderate and None to Slight merge to form the *Meets* columns. Values from the table are summarized below. Space is provided for rationale of the determination. This space should most certainly be used when the determination by the ID team conflicts with the summarized values. Provide the sources of information that lead to the determination. X out the appropriate box for each attribute to denote final agreed upon determination by the ID team.

Attribute	Rationale	Does Not Meet	May Need More Info	Meets
Soil		0	0	10
Hydrologic		0	1	10
Biotic	This pasture is heavily infested with mesquite. The team recommends that this mesquite population be mapped to determine if a land treatment is feasible and if so to implement the treatment. A good seed source is available so the area would revegetate with desirable grass and shrubs species if the mesquite competition is	1	1	9

	reduced.			
Site Notes: Mesquite dominated landscape, lacking dropseed species. Dominant grass species are tobosa and blue grama. The site is lacking desirable shrubs. Soils are very stable with good physical crusts.				

RFOs Upland and Biotic Standard Assessment Summary Worksheet			
SITE 64044-E 5 MILE #1-F186			
Legal Land Desc	SWNW 19 0060S 0250E Meridian 23	Acreage	553
Ecosite	042CY004NM SANDY SD-3	Photo Taken	Y
Watershed	13060003200 FIVE MILE		
Observers	MCGEE & TRAUTNER	Observation Date	03/19/2010
County Soil Survey	NM644 CHAVES NORTH	Soil Var/Taxad	
Soil Map Unit	ARA	Soil Taxon Name	ALAMA
Texture Class	NM644 FSL	Soil Phase	ALAMA-REEVES
Texture Modifier	NM644 MOIST		
Observed Avg Annual Precipitation		Observed Avg Growing Season Precipitation	
NOAA Annual Precipitation		NOAA Growing Season Precipitation	
NOAA Avg Annual Precipitation		NOAA Avg Growing Season Precipitation	
Disturbances and Animal Use:			

Part 2. Attributes and Indicators

		Departure from Ecological Site Description/Ecological Reference Areas				
Attribute	Indicators	Extreme	Moderate to Extreme	Moderate	Slight to Moderate	None to Slight
S H	Rills					X
Comments:						
S H	Water Flow Patterns					X
Comments:						

S H	Pedestals and/or Terracettes					X
Comments:						
S H	Bare Ground				X	
Comments:	Ecological Site description = 15=20%, this location at 30-35%					
S H	Gullies					X
Comments:						
S	Wind-scoured, Blowouts, and/or Deposition Areas				X	
Comments:	depostion areas on mesquite dunes.					
H	Litter Movement				X	
Comments:						
S H B	Soil Surface Resistance to Erosion					X
Comments:						
S H B	Soil Surface Loss or Degradation					X
Comments:						
H	Plant Community Composition and Distribution Relative to Infiltration and Runoff				X	
Comments:	Increasingly shrub dominated					
S H B	Compaction Layer					X
Comments:						
B	Functional/Structural Groups				X	
Comments:	Shrub component is dominated by mesquite					
B	Plant Mortality/Decadence					X
Comments:						
H B	Litter Amount		X			
Comments:	Ecological site description = 35-40%, this site is estimated to be 5%					
B	Annual Production				X	
Comments:	production is estimated to be 70% of 700 lbs/acre					
B	Invasive Plants			X		
Comments:	Mesquite encroachment					
B	Reproductive Capability of Perennial Plants				X	
Comments:						
S	Physical/Chemical/Biological					X

	Crusts					
Comments:	Physical crusts present					
B	Wildlife Habitat				X	
Comments:	Wildlife habitat being inpacted by mesquite encroachment					
B	Wildlife Populations				X	
Comments:						
B	Special Status Species Habitat					
Comments:	Not applicable					
B	Special Status Species Populations					
Comments:	Not applicable					

Part 3. Summary

A. Indicator Summary - Each of the indicators are associated with one or more of the attributes below. An indicator is placed in a category (columns) above and summed for each of the Standard Attributes.

Standard Attribute		Extreme	Moderate to Extreme	Moderate	Slight to Moderate	None to Slight
S	Soil	0	0	0	2	8
H	Hydrologic	0	1	0	3	7
B	Biotic	0	1	1	5	4

B. Attribute Summary. In this table, the Extreme and Extreme to Moderate columns in the table above are merged for the *Does not Meet* column, Moderate becomes *May Need More Info*, and Slight to Moderate and None to Slight merge to form the *Meets* columns. Values from the table are summarized below. Space is provided for rationale of the determination. This space should most certainly be used when the determination by the ID team conflicts with the summarized values. Provide the sources of information that lead to the determination. X out the appropriate box for each attribute to denote final agreed upon determination by the ID team.

Attribute	Rationale	Does Not Meet	May Need More Info	Meets
Soil		0	0	10
Hydrologic		1	0	10
Biotic	This component is being influenced by the mesquite encroachment. The team recommends that the population be mapped and if feasible that a land treatment be applied. Good species of grass are	1	1	9

	available, which would allow the transition toward mesquite domination to be returned to a grassland.			
Site Notes: Species noted at this site: mesquite, yucca, broom snakeweed, dropseed species, blue and black grama, burro grass and aristida. The site is transitioning toward a mesquite dominated site. Recommend mapping for feasibility of a land treatment on mesquite.				

RFOs Upland and Biotic Standard Assessment Summary Worksheet			
SITE 64044-E 5 MILE #2-F187			
Legal Land Desc	NWNE 32 0060S 0250E Meridian 23	Acreage	681
Ecosite	070BY052NM LOAMY CP-2	Photo Taken	Y
Watershed	13060003200 FIVE MILE		
Observers	MCGEE & TRAUTNER	Observation Date	03/19/2010
County Soil Survey	NM644 CHAVES NORTH	Soil Var/Taxad	
Soil Map Unit	RKA	Soil Taxon Name	REDONA
Texture Class	NM644 L	Soil Phase	REDONA-CANEZ
Texture Modifier	NM644 LOAM		
Observed Avg Annual Precipitation		Observed Avg Growing Season Precipitation	
NOAA Annual Precipitation		NOAA Growing Season Precipitation	
NOAA Avg Annual Precipitation		NOAA Avg Growing Season Precipitation	
Disturbances and Animal Use:			

Part 2. Attributes and Indicators

		Departure from Ecological Site Description/Ecological Reference Areas				
Attribute	Indicators	Extreme	Moderate to Extreme	Moderate	Slight to Moderate	None to Slight
S H	Rills					X
Comments:						
S H	Water Flow Patterns					X
Comments:						
S H	Pedestals and/or Terracettes					X
Comments:						
S H	Bare Ground				X	

Comments:	Up to 35% - large bare patches					
S H	Gullies				X	
Comments:						
S	Wind-scoured, Blowouts, and/or Deposition Areas					X
Comments:						
H	Litter Movement				X	
Comments:						
S H B	Soil Surface Resistance to Erosion					X
Comments:						
S H B	Soil Surface Loss or Degradation					X
Comments:						
H	Plant Community Composition and Distribution Relative to Infiltration and Runoff					X
Comments:						
S H B	Compaction Layer					X
Comments:						
B	Functional/Structural Groups				X	
Comments:	Dominated by tobosa					
B	Plant Mortality/Decadence					X
Comments:						
H B	Litter Amount				X	
Comments:	25%, have 10% lacking litter depth					
B	Annual Production				X	
Comments:						
B	Invasive Plants			X		
Comments:	Mesquite encroachment					
B	Reproductive Capability of Perennial Plants					X
Comments:						
S	Physical/Chemical/Biological Crusts					X
Comments:	Physical crusts present					
B	Wildlife Habitat				X	

Comments:	The increase in mesquite and the resulting drop in forbs is affecting the wildlife habitat.					
B	Wildlife Populations				X	
Comments:						
B	Special Status Species Habitat					
Comments:	Not applicable					
B	Special Status Species Populations					
Comments:	Not applicable					

Part 3. Summary

A. Indicator Summary - Each of the indicators are associated with one or more of the attributes below. An indicator is placed in a category (columns) above and summed for each of the Standard Attributes.

Standard Attribute		Extreme	Moderate to Extreme	Moderate	Slight to Moderate	None to Slight
S	Soil	0	0	0	2	8
H	Hydrologic	0	0	0	4	7
B	Biotic	0	0	1	5	5

B. Attribute Summary. In this table, the Extreme and Extreme to Moderate columns in the table above are merged for the *Does not Meet* column, Moderate becomes *May Need More Info*, and Slight to Moderate and None to Slight merge to form the *Meets* columns. Values from the table are summarized below. Space is provided for rationale of the determination. This space should most certainly be used when the determination by the ID team conflicts with the summarized values. Provide the sources of information that lead to the determination. X out the appropriate box for each attribute to denote final agreed upon determination by the ID team.

Attribute	Rationale	Does Not Meet	May Need More Info	Meets
Soil		0	0	10
Hydrologic		0	0	11
Biotic		0	1	10

Site Notes: Species noted at this location: tobosa, black grama, burro grass, mesquite, yucca. Area is somewhat affected by slopes leading to 5 Mile Draw. Recommend mesquite treatment.

RFOs Upland and Biotic Standard Assessment Summary Worksheet			
SITE 64044-STRIEKLIN-F185			
Legal Land Desc	SWSE 23 0060S 0240E Meridian 23	Acreage	970
Ecosite	042CY004NM SANDY SD-3	Photo Taken	Y
Watershed	13060003200 FIVE MILE		
Observers	MCGEE & TRAUTNER	Observation Date	03/19/2010
County Soil Survey	NM644 CHAVES NORTH	Soil Var/Taxad	
Soil Map Unit	ARA	Soil Taxon Name	ALAMA
Texture Class	NM644 FSL	Soil Phase	ALAMA-REEVES
Texture Modifier	NM644 MOIST		
Observed Avg Annual Precipitation		Observed Avg Growing Season Precipitation	
NOAA Annual Precipitation		NOAA Growing Season Precipitation	
NOAA Avg Annual Precipitation		NOAA Avg Growing Season Precipitation	
Disturbances and Animal Use:			

Part 2. Attributes and Indicators

		Departure from Ecological Site Description/Ecological Reference Areas				
Attribute	Indicators	Extreme	Moderate to Extreme	Moderate	Slight to Moderate	None to Slight
S H	Rills					X
Comments:						
S H	Water Flow Patterns					X
Comments:						
S H	Pedestals and/or Terracettes					X
Comments:						
S H	Bare Ground				X	
Comments:	Ecological site description = 15-20%, actual=20%					

S H	Gullies					X
Comments:						
S	Wind-scoured, Blowouts, and/or Deposition Areas					X
Comments:	Mesquite dunes					
H	Litter Movement					X
Comments:	gathering around obstructions					
S H B	Soil Surface Resistance to Erosion					X
Comments:	organic and physical crusts good					
S H B	Soil Surface Loss or Degradation					X
Comments:						
H	Plant Community Composition and Distribution Relative to Infiltration and Runoff				X	
Comments:	trending toward shrub dominance					
S H B	Compaction Layer					X
Comments:						
B	Functional/Structural Groups			X		
Comments:	lacking dropseed species and desirable shrubs					
B	Plant Mortality/Decadence					X
Comments:						
H B	Litter Amount				X	
Comments:	Ecological site description = 30-45%, actual=10%					
B	Annual Production					X
Comments:	Approximately 70% of 700 lbs/acre					
B	Invasive Plants		X			
Comments:	Mesquite dominated landscape					
B	Reproductive Capability of Perennial Plants					X
Comments:						
S	Physical/Chemical/Biological Crusts					X
Comments:	Physical crusts present					
B	Wildlife Habitat				X	
Comments:	Mesquite increasing in a historic pronghorn area					

B	Wildlife Populations				X	
Comments:						
B	Special Status Species Habitat					
Comments:	Not applicable					
B	Special Status Species Populations					
Comments:	Not applicable					

Part 3. Summary

A. Indicator Summary - Each of the indicators are associated with one or more of the attributes below. An indicator is placed in a category (columns) above and summed for each of the Standard Attributes.

Standard Attribute		Extreme	Moderate to Extreme	Moderate	Slight to Moderate	None to Slight
S	Soil	0	0	0	1	9
H	Hydrologic	0	0	0	3	8
B	Biotic	0	1	1	3	6

B. Attribute Summary. In this table, the Extreme and Extreme to Moderate columns in the table above are merged for the *Does not Meet* column, Moderate becomes *May Need More Info*, and Slight to Moderate and None to Slight merge to form the *Meets* columns. Values from the table are summarized below. Space is provided for rationale of the determination. This space should most certainly be used when the determination by the ID team conflicts with the summarized values. Provide the sources of information that lead to the determination. X out the appropriate box for each attribute to denote final agreed upon determination by the ID team.

Attribute	Rationale	Does Not Meet	May Need More Info	Meets
Soil		0	0	10
Hydrologic		0	0	11
Biotic	The Biotic determination is being influenced by mesquite invasion. The team strongly recommends mapping the mesquite population for feasiblity of treatment.	1	1	9

Site Notes: Species noted at this site: black grama, aristida species, burro grass, mesquite, snakeweed. About 25% utilization by livestock, mesquite dunes are starting to form.

RFOs Upland and Biotic Standard Assessment Summary Worksheet			
SITE 64044-WEST 5 MILE-F182			
Legal Land Desc	NWNE 19 0060S 0240E Meridian 23	Acreage	2823
Ecosite	042CY007NM LOAMY SD-3	Photo Taken	Y
Watershed	13060003200 FIVE MILE		
Observers	MCGEE & TRAUTNER	Observation Date	03/19/2010
County Soil Survey	NM644 CHAVES NORTH	Soil Var/Taxad	
Soil Map Unit	ACA	Soil Taxon Name	ALAMA
Texture Class	NM644 L	Soil Phase	ALAMA-POQUITA
Texture Modifier	NM644 LOAM		
Observed Avg Annual Precipitation		Observed Avg Growing Season Precipitation	
NOAA Annual Precipitation		NOAA Growing Season Precipitation	
NOAA Avg Annual Precipitation		NOAA Avg Growing Season Precipitation	
Disturbances and Animal Use:	A dirt tank in the area contains standing water, a lot of cattle are in the area.		

Part 2. Attributes and Indicators

		Departure from Ecological Site Description/Ecological Reference Areas				
Attribute	Indicators	Extreme	Moderate to Extreme	Moderate	Slight to Moderate	None to Slight
S H	Rills					X
Comments:						
S H	Water Flow Patterns					X
Comments:						
S H	Pedestals and/or Terracettes					X

Comments:	Physical soil crusts intact with desication mud cracks.					
S H	Bare Ground					X
Comments:	Ecological site description = 40-50%, actual= 10-20%					
S H	Gullies					X
Comments:						
S	Wind-scoured, Blowouts, and/or Deposition Areas					X
Comments:						
H	Litter Movement				X	
Comments:	Gathering around obstructions					
S H B	Soil Surface Resistance to Erosion					X
Comments:	Good organic content, physical crusts are present					
S H B	Soil Surface Loss or Degradation					X
Comments:	Good organic content					
H	Plant Community Composition and Distribution Relative to Infiltration and Runoff					X
Comments:						
S H B	Compaction Layer					X
Comments:						
B	Functional/Structural Groups				X	
Comments:	the number of functional/structural groups are reduces, tobosa is dominating					
B	Plant Mortality/Decadence					X
Comments:						
H B	Litter Amount				X	
Comments:	Ecological site description = 25-30%, actual 10-20%					
B	Annual Production				X	
Comments:	Approximately 750 lbs/acre, site description = 900 lbs/acre					
B	Invasive Plants			X		
Comments:	Mesquite is encroaching					
B	Reproductive Capability of Perennial Plants					X
Comments:						
S	Physical/Chemical/Biological Crusts					X

Comments:	Physical crusts present					
B	Wildlife Habitat				X	
Comments:						
B	Wildlife Populations				X	
Comments:						
B	Special Status Species Habitat					
Comments:	Not applicable					
B	Special Status Species Populations					
Comments:	Not applicable					

Part 3. Summary

A. Indicator Summary - Each of the indicators are associated with one or more of the attributes below. An indicator is placed in a category (columns) above and summed for each of the Standard Attributes.

Standard Attribute		Extreme	Moderate to Extreme	Moderate	Slight to Moderate	None to Slight
S	Soil	0	0	0	0	10
H	Hydrologic	0	0	0	2	9
B	Biotic	0	0	1	5	5

B. Attribute Summary. In this table, the Extreme and Extreme to Moderate columns in the table above are merged for the *Does not Meet* column, Moderate becomes *May Need More Info*, and Slight to Moderate and None to Slight merge to form the *Meets* columns. Values from the table are summarized below. Space is provided for rationale of the determination. This space should most certainly be used when the determination by the ID team conflicts with the summarized values. Provide the sources of information that lead to the determination. X out the appropriate box for each attribute to denote final agreed upon determination by the ID team.

Attribute	Rationale	Does Not Meet	May Need More Info	Meets
Soil		0	0	10
Hydrologic		0	0	11
Biotic		0	1	10

Site Notes: Should be a greater diversity of grasses and shrubs, the site is dominated by tobosa and mesquite.

Determination of Public Land (Rangeland) Health for 64044 5 MILE

The Record of Decision (ROD) for the New Mexico Standards for Public Land Health and Guidelines for Livestock Grazing Management (dated January 2001) adopted three Standards for Public Land Health. These are (1) Upland Sites Standard, (2) Biotic Communities, including Native, Threatened, Endangered, and Special Status species Standard and (3) Riparian sites Standard.

The ROD also established a process for the BLM Field Offices for the implementation. Through a public participation process, the Roswell Field Office developed and adopted indicators to use in conjunction with existing monitoring data to assess these standards.

Field assessment worksheets andother available data that evaluate the local indicators were completed for this allotment. Based on theassessments, it is my determination that the public land within the 5 Mile allotment, 64044, meets the (1) Upland Sites Standard, (2) Biotic Communities, including Native, Threatened, Endangered and Special Status species standard and (3) Riparian Standard.

/s/ J. Howard Parman	03/31/2010
Acting Assistant Field Manager	Date